



## **TENDER FOR DRILLING OF SIX BOREHOLES IN WARRAP TONJ NORTH (REF IRSS-WP/03/01-23)**

---

### **BACKGROUND/INTRODUCTION**

Islamic Relief is an independent humanitarian and development UK-based organization, with an active presence in over 40 countries across the globe, we strive to make the world a better and fairer place for people still living in poverty. Islamic relief began its humanitarian operation in South Sudan in 2004 focusing on providing lifesaving aid and implementing developmental Programmes to support people affected by the flood, drought, and Conflict establishing three sub-offices in Narus (Kapoeta East), Wau, Warrap. A satellite office in Yei and the Main office in Juba.

### **Our vision:**

Inspired by our Islamic faith and guided by our values, we envisage a caring world where communities are empowered, social obligations are fulfilled and people respond as one to the suffering of others.

### **Our mission:**

Exemplifying our Islamic values, we will mobilize resources, build partnerships, and develop local capacity, as we work to:

Enable communities to mitigate the effect of disasters, prepare for their occurrence and respond by providing relief, protection and recovery.

Promote integrated development and environmental custodianship with a focus on sustainable livelihoods.

Support the marginalized and vulnerable to voice their needs and address root causes of poverty.

We allocate these resources regardless of race, political affiliation, gender or belief, and without expecting anything in return.

### **INTRODUCTION**

Islamic Relief South Sudan received funding from IR Canada to implement two (2) years Project titled; “WASH, Protection and Nutrition for Tonj North Crisis Affected Populations (WAPNUT)” to be implemented in Tonj North in two (02) Payams of; Alabek & Akop respectively.

With the WASH outcome “Improved use of safe and gender-sensitive WASH services and culturally appropriate hygiene practices among IDPs and Host communities including women, men, girls and boys in Tonj North”, South Sudan, the project intends to improve access to clean and safe portable water for the vulnerable communities of Tonj North county in Warrap state through drilling of 6 new boreholes installed with hand pumps as detailed below. Therefore, this ToR/BoQ is developed to seek for approval of fund for the drilling activities.

### **1. Scope of Work:**

The drilling six Boreholes installed with indian MKII/III is expected to be implemented in the two targeted locations of Kirik, Rualbet, Awul, Alabek, Akop and Alabekin Tonj North County, Warrap state. The general work involved in the construction of six Boreholes installed with indian MKII/III includes; drilling of new borehole. This ToR has also taken in to account the component of **Protection- GBV prevention through installation of solar lights** at each of the public water collection points to prevent WASH-GBV related cases such as rape at water collection points and also the aspect of environmental protection is covered through proper waste disposal/management during and after construction work completion. All cost of work should also include the cost of local materials, labour, transportation and any other related costs inclusive.

The activities are;

**Geophysical survey:** Conduct a thorough geophysical survey by professional geologists using recommended equipment, to identify sites with high ground water potentials for successful drilling.

**Drilling of new borehole.** Thorough assessment for good yield site, drill the borehole, flash, pump test until the pump recovery of up to 80% after completion of the test in 30 minutes, Installation of Indian MK II/III pedestal.

### **2. Objectives:**

To construct six Boreholes installed with indian MKII/III to supply clean and safe water for consumption and domestic use to increase the resilience, livelihood and protection and reduce the vulnerability to the pastoral communities of the selected areas of Tonj North.

### **3. Tasks and expected days of work**

The contractor is expected to carry out the job accordingly, while assigning specific and clear task of jobs to specific team group e.g. Technicians and masons. The work is expected to take maximum 30 days including mobilization.

### **4. Roles and responsibilities**

#### **The contractor:**

- Is solely responsible for provision of all the materials, services, transportation and personnel needed for the work, ensure that all materials/spare parts, services and personnel conform to approved grade, skills and standards.
- Responsible for the team deployed for the work, all their basic needs are catered for, should not interfere with the work.
- Regular update to WASH officer/technician in the field office, Challenges and constraints should be reported and challenges addressed.

**IRSS:**

- Responsible for coordination with authorities, communities and other stake holders in all matters pertaining to the construction work.
- Conduct regular monitoring visits, inspection of all materials and services involved in the work.
- Will provide guidance and advice and support as deemed necessary.

**6 Interface**

- Ensure there is very good line of communication and coordination between Islamic relief and the contracted company, is well established.
- All communication and coordination should be done through the company focal person assigned for that and the organization's officer in the field office.
- No direct communication between any company staff and IRSS, unless an informal one.
- IRSS engineer can be directly contacted any time for consultation and advice.

**7. Reporting**

- Contractor to report on each phase of work successfully completed, this includes: Phase Geophysical survey, drilling, pump testing, water quality testing, Installation of pedestal, construction of tank stands, Installation of solar and submersible pump, construction of tap stands, Inspection, decommissioning and handing over.

**8. Handing over**

- Final inspection will be jointly conducted with the ministry and directorate of water resources including the representative from the respective communities. Various components of the facility will be inspected and verified, according to the check list. In case of defaults in any component, has to be rectified before final handing over is done.
- After the facility is handed over, IRSS will carry out post construction monitoring for a period of three months for any defect liability that may show up.
- Each borehole will be branded with visibility having IRW logo as specified in the BOQ.

**DELIVERY DETAILS****SITE LOCATION:**

Site information on distances from Warrap center

S/no	Name of location	Payam	Approximate distance from Warrap center	County
01	Nguenylek p/s	Alabek	75 Km	Tonj North
02	Athiengpuol	Akop	85 Km	Tonj North
03	Achualok	Akop	100Km	Tonj North
04	Thurayaar p/s	Alabek	65 Km	Tonj North
05	Dong	Akop	60 Km	Tonj North
06	Akook	Alabek	60 Km	Tonj North

All tenders are required to be submitted before Wednesday **15 March 2023, 4.00 pm CAT Local time** pursuant to the attached guidelines for submitting a quotation and be returned to; **HAND DELIVERY TO IRSS TENDER BOX** Hai Cinema, 2nd class, Plot no 52, Block B-XVI, South Sudan upon registration on the bid receipt form.

For any issues relating to the tender or its contents please email directly to; [IRSS.Tender@islamic-relief.com.ss](mailto:IRSS.Tender@islamic-relief.com.ss)

**All quotation providers are requested to fill in Appendix 1 and 2 below when submitting their proposal to IRSS**

APPENDIX 1

**Summary of Bid Prices**

No.	Description	Total Price in USD (\$)
1	<b>Grand Total Bid Price</b>	
2	<b>Discount Ratio (if any) ... % and the amount</b>	
3	<b>Grand Total after Discount</b>	
4	<b>Delivery time scales (in days)</b>	
5	<b>Quotation Validity</b>	

We have carefully checked and examined all bid documents and we are offering the costs above on a fixed basis and they are not subject to any changes or alterations including those due to currency fluctuations.

Total Price **USD (\$)**

**In words**

[ \_\_\_\_\_ ]

Bidder's Signature

Stamp

Date

**Bidder is required to stamp this document with their legal company stamp no bid will be accepted without a genuine company stamp**

APPENDIX 2 BILL OF QUANTITIES

Please also use our table when filling the prices. If you do not have the item just keep it empty. Your offer should be for the quantity that we request, not less and not more.

Please only use USD (\$) as the currency for your offers as per the guidelines.

**BILL OF QUANTITY FOR DRILLING 06 BOREHOLES IN TONJ NORTH:**

S/no	Item description	Unit	Quantity	Unit cost-USD	Amount - USD
<b>Preliminaries</b>					
01	Mobilization: Allow for cost of transporting all equipment, personnel and materials to project sites and decommissioning at completion of job	Mobilization	01		

02	Survey that includes physical assessment of the project site, desk study of the proposed site to establish information that can guide in decision making about the proposed location	Survey	01		
<b>Borehole drilling</b>					
03	Geophysical survey: Conduct geophysical survey using recommended equipment especially resistivity meter and other high tech machines/devices to identify the most promising site for drilling of a successful borehole	Survey	01		
04	Carryout drilling 7"-8" borehole from 0-120 meters depth in all types of soil formation using air, DTH hammer, and or with form, mud rotary with form or polymer, depending on the nature of formation in the respective site	M	90		
05	Supply and install 125mm (5") nominal internal diameter plain UPVC casings	M	60		
06	Supply and install 125mm (5") nominal internal diameter slotted UPVC casings including UPVC end caps	M	09		
07	Supply and install permanent casings 8" nominal internal diameter UPVC plain casing up to hard formation	M	06		
08	Supply and insert filter gravel packing 2mm-4mm size round and clean siliceous material	M <sup>3</sup>	2.5		
09	Insert sanitary seal 1:1:2 grout cement not less than 1.5m deep from ground level	M	1.5		
<b>Borehole development</b>					

10	Allow for borehole development work, surging by air of a completed well until the water is crystal clear	Hours	4		
11	Pump testing completed well, time taken until pump is removed, recovery should be around 80%	Hours	6		
12	Allow for water quality test based on recommended parameters for South Sudan both physical, Chemical and Bacteriological	Test	01		
<b>Hand pump installation and apron construction</b>					
13	Apron Construction: All apron construction should consider an elevated apron, 0.4m above the ground level to mitigate effect of flood water on apron. That will involve stonework foundation in 1:4 cement to sand mortar well blinded and finish. General excavation of top soil & cut away depth n.e 200mm (assume 3.0m diameter channel inclusive).	M <sup>3</sup>	3.0		
14	Construct a ramp for accessibility to the water collection point and provide guard rails for people with disability to access the water point	job	01		
15	Filling well compacted approved material thickness n.e 300mm. Blinding on top fill approved material well compacted thickness n.e 50mm. Provision and placement of BRC mesh as apron reinforcement, drainage channel length 6.0m	M <sup>3</sup>	3.0		

	Provision and placing of RC in pump platform, apron and drainage channel slab 150mm thick in mix of 1:2:4, well finished in grout cement.				
16	Provision and installation of Indian MK II/III hand pump pedestal, head assembly, water tank, 1 1/4" G.I pipes & connecting rods, and cylinder assembly to depth n.e 51m (for cylinder depth 50< is Indian MK II hand pump and 50m> is Indian MK III hand pump). Ensure pedestal are well fixed in concrete work to avoid being shaky in long run.	Set	01		
17	Provide and allow for construction of water through 1.5m long x 1.0m width but n.e 0.4m depth in brick work well plastered, smooth finish and rendered water proof, provided at the end of the drainage channel	No	01		
18	General landscaping around the Borehole 10m radius	Job	01		
19	Provide and allow for fixing of a metallic sign post as specified in the description of visibility length 1.2m x 0.8m width x 1.7m legs using 2mm iron plate and 40mmx40mm hollow section pipes for main frame and legs. Provide the writings on both sides of the sign post with two logos (IRW and Ministry of water resources) Install the sign post a distance of n.e 3.0m from the water borehole.	Piece	01		
20	Supply and allow for fixing automatic solar powered night/street light fixed with metallic poles. 120W Solar	system	01		

	Endurance Light that provides maximum Light Output with multiple Light levels				
<b>Total (USD)</b>					
<b>Grand total = Total x 06 (USD)</b>					

### Supplier Code of Conduct

**1 Islamic Relief's Supplier Code of Conduct**

**2 Islamic Relief Worldwide requires all suppliers to adhere to:**

The Modern Slavery Act 2015

The International Labour Standards as defined by the ILO (International Labour Organisation).

The United Nations Global Compact's 10 principles as stated below:

**Human Rights**

**Principle 1:** Businesses should support and respect the protection of internationally proclaimed human rights; and

**Principle 2:** Make sure that they are not complicit in human rights abuses.

**Labour**

**Principle 3:** Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;

**Principle 4:** The elimination of all forms of forced and compulsory labour;

**Principle 5:** The effective abolition of child labour;

and

**Principle 6:** The elimination of discrimination in respect of employment and occupation.

**Environment**

**Principle 7:** Businesses should support a precautionary approach to environmental challenges;

**Principle 8:** Undertake initiatives to promote greater environmental responsibility;

and

**Principle 9:** Encourage the development and diffusion of environmentally friendly technologies.

**Anti-Corruption**

**Principle 10:** Businesses should work against corruption in all its forms, including extortion and bribery.